



Environmental Water Demand

AZ Water Resources Development Commission

- ▶ Environmental Committee Report
- ▶ Population Committee Report
- ▶ Supply and Demand Committee Report
- ▶ Finance Committee Report
- ▶ Legislative Recommendations Committee Report

ENVIROMENT COMMITTEE REPORT

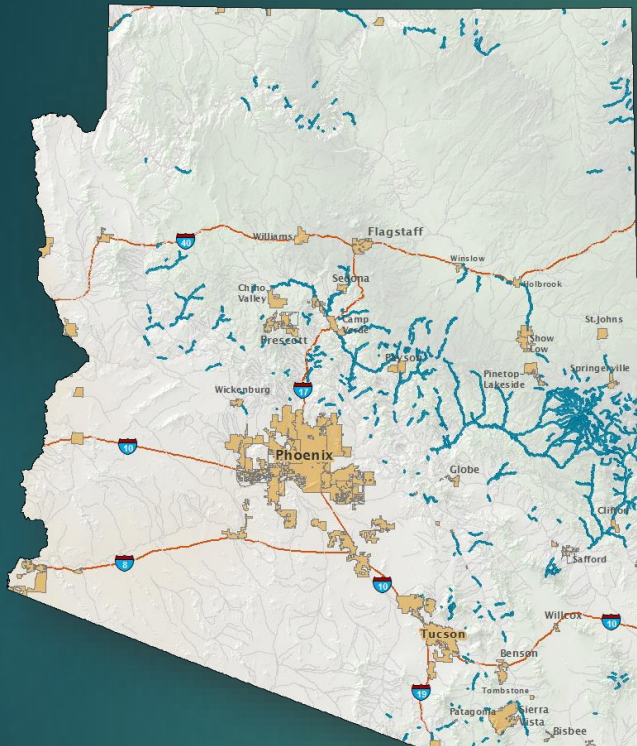
- ▶ Identifies current water-dependent natural resources by basin/county
- ▶ Identifies conditions necessary to support them
- ▶ Recommendations
 - ▶ Additional research and data collection
 - ▶ Include potential impacts to water-dependent natural resources in evaluation of future water supply options.

Quick Facts

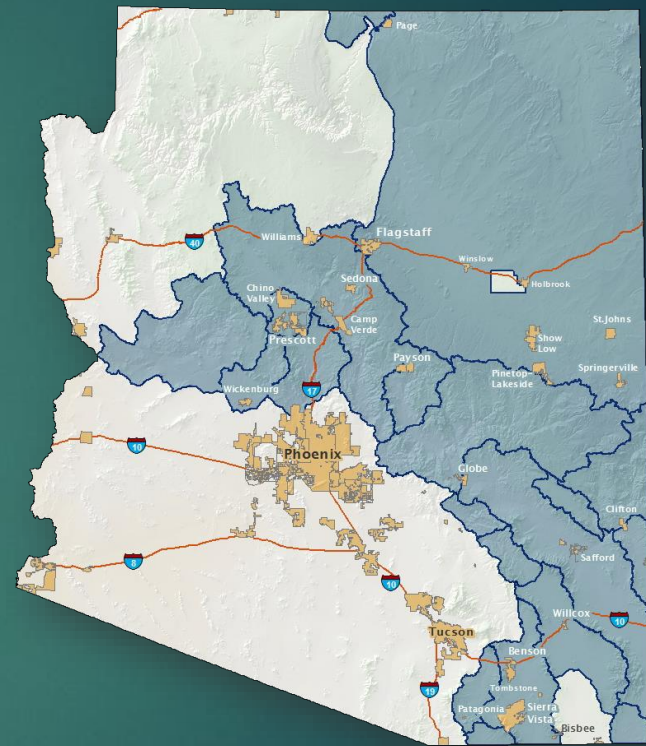
from WRDC EC report

- ▶ 51 groundwater basins
- ▶ More than 5,000 miles of perennial flow
- ▶ Upwards of one million acres of riparian habitat
- ▶ More than \$3.4 billion generated from wildlife-based recreation and bird watching activities
- ▶ 181 of the sensitive wildlife species tracked by agencies require water-dependent habitats

Our Future Water Certainty is at Risk



**5,000 + miles of perennial
rivers**



At-risk basins in 2035



OPEN ACCESS Freely available online



Sustainable Water Management in the Southwestern United States: Reality or Rhetoric?

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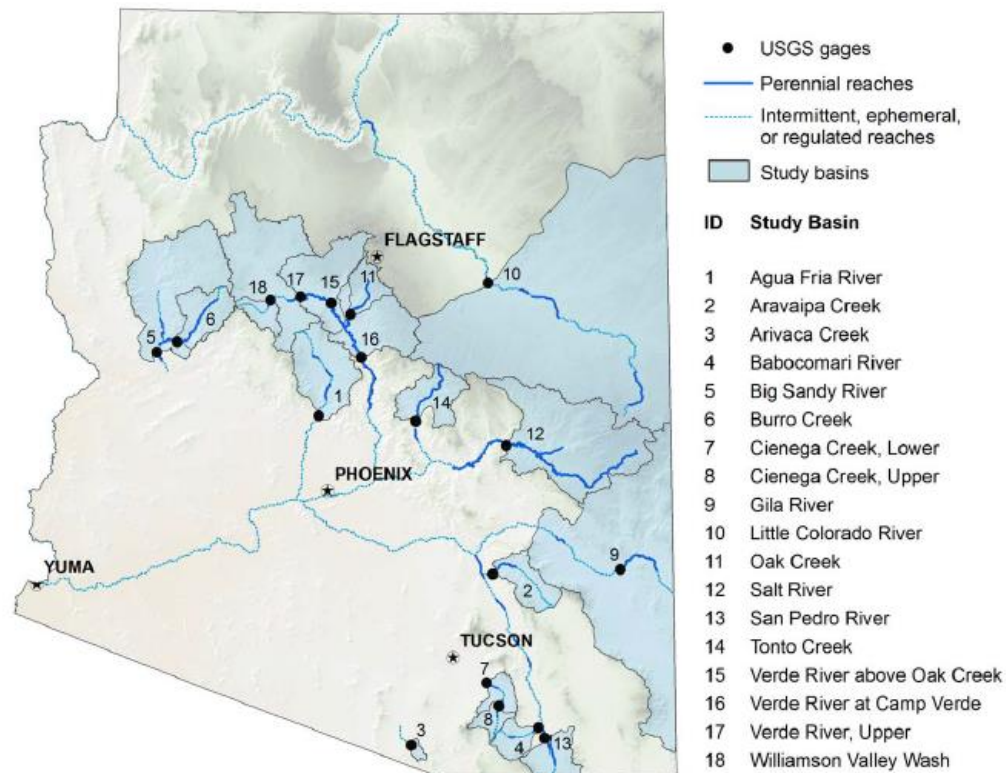
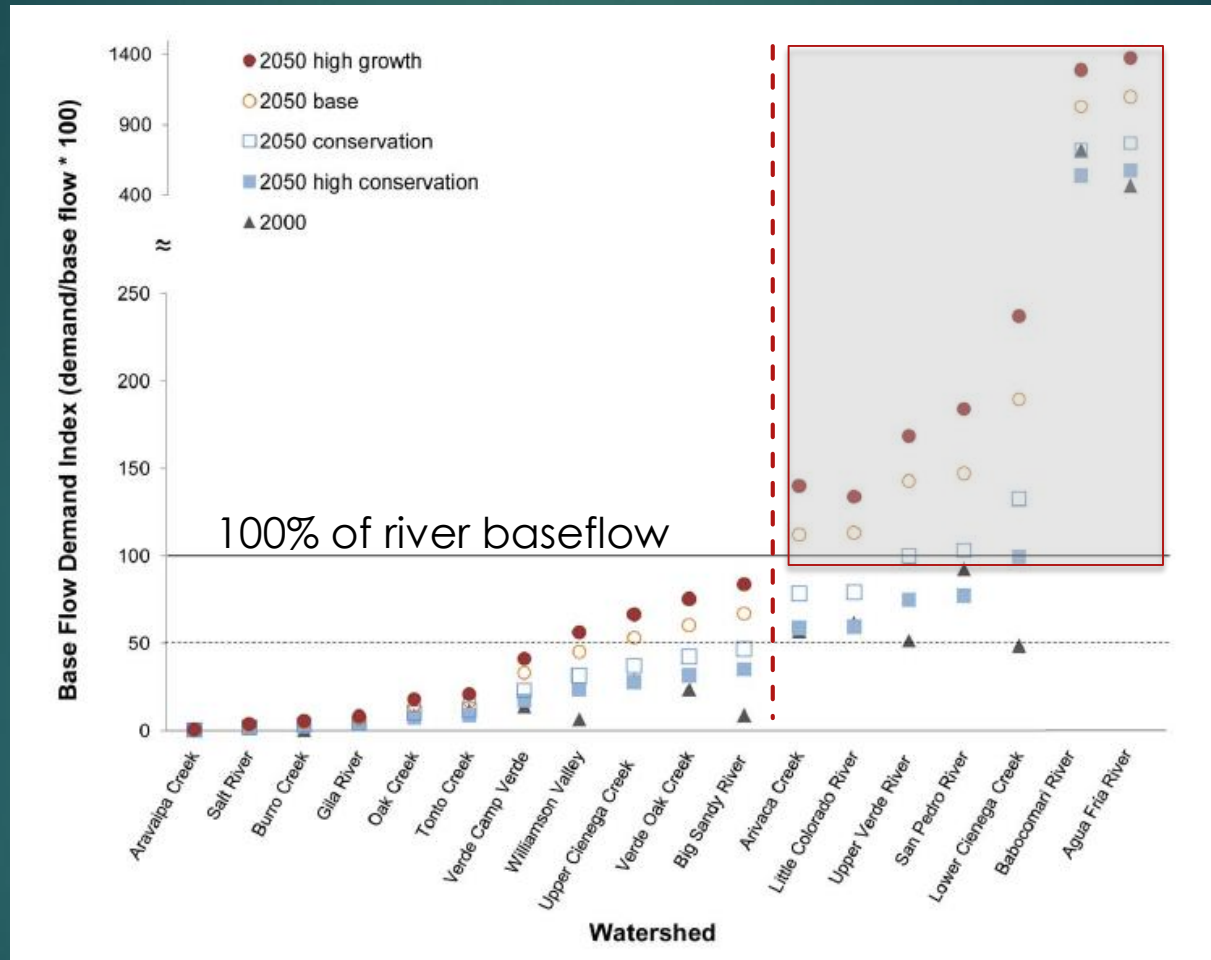


Figure 1. Locations of study watersheds and USGS gages.

doi:10.1371/journal.pone.0011687.g001

Baseflow Demand Under Four Growth Scenarios



Verde Example

- ▶ Flow Targets
- ▶ Voluntary and local solutions
- ▶ Water Fund
- ▶ Verde River Exchange

San Pedro Example

- ▶ Recharge – Effluent and UER
- ▶ Community aspects